In the Claims

The claims have been amended as follows:

1. (Currently Amended) A method for updating existing code in a computer program after inputting new code which defines changes to said existing code comprising the steps of:

generating a target file list ~~which includes~~ of target files to update;

generating ~~an associated~~a dependency file list ~~including associated~~ of files dependent on ~~which correspond with~~ said target files;

reading said dependency file list of files into a control file, wherein selected lines of said files are split into target strings having programming language substitutions and being appended to a requisition list and into prerequisite strings being stored in corresponding requisite arrays; and

executing an algorithm where said algorithm matches ~~locates~~ said target files ~~by employing a search process~~ with said substituted target string in said requisition list in said control file, and then said algorithm ~~updates~~ updating ~~said~~ those matched target files ~~and updates said associated files by selectively compiling said target files~~ if it is determined that the corresponding prerequisite strings stored in the corresponding requisite arrays in said control file have been updated more recently than said substituted target string.

2. (Currently Amended) The method of claim 1 further including source code and object code, said target files being source code and said dependency ~~associated~~ files being object code, said source code being selectively compiled to update ~~and provide~~ said ~~associated~~ object code.

3. (Currently Amended.) The method of claim 1 further comprising the step of:

updating said ~~associated file list~~ prerequisite strings with new ~~said associated~~ files~~, said new associated files being~~ defined by ~~said~~ new code.

#9

4. (Currently Amended) The method of claim 2~~1~~ wherein said algorithm utilizes a search technique including pattern type variables which use generic rules to specify said ~~associated~~ object code for updating.

5. (Currently amended) A method for generating changes and updating existing files and code in a computer program, comprising the steps of:

reading existing target files ~~source code~~ and existing ~~object code~~ dependency files in said computer program;

reading a plurality of said dependency ~~associated~~ files ~~where said associated files are~~ associated with said ~~source code~~ target files into a single control

file, wherein selected lines of said dependency files are split into target strings and prerequisite strings;

executing a utility program which updates said target files ~~said source code~~ and said dependency files ~~object code~~ associated with said target files ~~source code~~, said utility program ~~including~~ including an interpreted scripting language specifying particular characters to search for in said target files ~~code~~ and said associated dependency files ~~code~~;

generating a requisition ~~target code~~ list of target strings having interpreted scripting language substitutions and corresponding requisite arrays for said prerequisite strings ~~for said source code and said associated object code by~~ using said utility program; and

updating said target files ~~code and said associated code~~ by employing a search technique defined in said utility program, said search technique includes specified target patterns such that said specified target patterns identify said existing target files ~~associated code~~ being updated, said existing target files being updated if it is determined from said specified target patterns that said prerequisite strings in said control file have been updated more recently than said substituted target string.

6. (Currently Amended) The method of claim 5 wherein said specified target patterns of said search technique includes pattern type variables which use generic rules to specify said target files ~~associated object code~~ for updating.

7. (Currently Amended) The method of claim 5 wherein said search technique includes matching specified characters in said target files to said requisition list of target strings ~~code and said associated code~~ such that said specified characters identify said existing target files ~~associated code~~ being updated.

8. (Cancel.)

9. (Currently Amended) The method of claim 5~~8~~ wherein said utility program defines new target files ~~source code~~ to be added to said existing target files~~source code~~.

10. (Currently Amended) The method of claim 5 ~~8~~ wherein the utility program prioritizes said target files ~~target code~~ to update while employing said search technique.

11. (Currently Amended) The method of claim 5 ~~8~~ wherein said utility program includes a process procedure for an operator to call, said process procedure recursively invokes said utility program and arguments.

12. (Currently Amended) The method of claim 5 ~~8~~ wherein said utility program is in a ~~UNIX® environment~~ scripting language selected from the group consisting of *updt*, perl, and Tcl.

13. (Currently Amended) The method of claim 5 ~~8~~ wherein said utility program provides that said existing target files ~~code~~ with a specific character are not considered to be a file, and thereby are bypassed for any changes by the utility program.

14. (Currently Amended.) A computer program product for updating existing code in a computer program after inputting new code which defines changes to said existing code, said computer program product having:

computer readable program code means for generating a target file list ~~which includes~~ of target files to update;

computer readable program code means for generating ~~an associated~~a dependency file list ~~including associated~~ of files dependent on ~~which correspond with~~ said target files;

computer readable program code means for reading said dependency file list of files into a control file, wherein selected lines of said files are split into target strings having programming language substitutions and being appended to a requisition list and into prerequisite strings being stored in corresponding requisite arrays; and

computer readable program code means for executing an algorithm where said algorithm matches ~~locates~~ said target files ~~by employing a search process~~ with said substituted target string in said requisition list in said control file, and then said algorithm ~~updates~~ updating said target files ~~and updates said associated files by selectively compiling said target files~~ if it is determined that the corresponding prerequisite strings stored in the corresponding requisite arrays in said control file have been updated more recently than said substituted target string.

15. (Currently Amended.) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for updating existing code in a computer program after inputting new code which defines changes to said existing code, said method steps comprising:

generating a target file list ~~which includes~~ of target files to update;

generating ~~an associated~~a dependency file list ~~including associated~~ of files dependent on ~~which correspond with~~ said target files;

reading said dependency file list of files into a control file, wherein selected lines of said files are split into target strings having programming language substitutions and being appended to a requisition list and into prerequisite strings being stored in corresponding requisite arrays; and

executing an algorithm where said algorithm matches ~~locates~~ said target files ~~by employing a search process~~ with said substituted target string in said requisition list in said control file, and then said algorithm ~~updates~~ updating said target files ~~and updates said associated files by selectively compiling said target files~~ if it is determined that the corresponding prerequisite strings stored in the corresponding requisite arrays in said control file have been updated more recently than said substituted target string.

Please add new claims 16-25

16. (New) A method for updating target files in a computer comprising:

generating a target file list of target files to update;

reading into a control file a list of files dependent on said target files;

splitting selected lines of said dependent files into target strings and prerequisite strings;

performing programming language substitutions in said target strings;

appending said substituted target strings to a requisition list;

storing said prerequisite strings in corresponding requisite arrays;

executing an algorithm to match selected target files from said target file list to said substituted target string in said requisition list;

retrieving said prerequisite strings from said corresponding requisite arrays;

updating said prerequisite strings by performing all possible programming language substitutions to said prerequisite strings using said algorithm;

identifying those prerequisite strings that have been updated more recently than said substituted target string to generate update rules using said algorithm; and

updating said target files from said target file list using said update rules.

17. (New) The method of claim 16 wherein after said list of files dependent on said target files are read into said control file, said remaining subsequent steps utilize said control file.

18. (New) The method of claim 16 further including updating said target file list with new target files, the new target files being defined by said update rules.

19. (New) The method of claim 16 wherein said update rules comprise target patterns to specify entire classes of dependencies.

20. (New) The method of claim 16 wherein the update rules are specified using a scripting language selected from the group consisting of *updt*, perl, and Tcl.

21. (New) The method of claim 20 wherein said algorithm is executed in said scripting language.

22. (New) The method of claim 21 wherein said rules have access to said interpreted programming language to recursively invoke said algorithm on a new target.

23. (New) The method of claim 16 wherein said update rules support multi-directory builds from a single control file.

#9

24. (New) The method of claim 16 wherein said prerequisite uses dynamic directory switching to specify multiple files in multiple directories.

25. (New) The method of claim 16 further including a directory, said algorithm considering said directory to be out-of-date regardless of its time stamp such that any rule associated with directory target is always triggered.